

AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the specification.

1-27. (Cancelled)

28. (Currently amended) An isolated nucleic acid molecule comprising a sequence of nucleotides encoding ~~or complementary to a sequence encoding~~ a flavonoid 3',5' hydroxylase (F3'5'H), said nucleotide sequence selected from the list consisting of:

(i) a nucleotide sequence encoding ~~an~~the amino acid sequence set forth in selected from SEQ ID NO:10 or SEQ ID NO: 12;

(ii) a nucleotide sequence encoding an amino acid sequence having at least 90% similarity to ~~an~~the amino acid sequence set forth in selected from SEQ ID NO:10 or SEQ ID NO: 12 after optimal alignment;

(iii) ~~SEQ ID NO: 9 or~~ the nucleotide sequence as set forth in SEQ ID NO: 11;

(iv) a nucleotide sequence capable of hybridizing to the complement sequence of athe nucleotide sequence set forth in selected from SEQ ID NO:9 or SEQ ID NO: 11 or a complementary form thereof under high stringency conditions which comprise hybridization at 42°C in 50% v/v formamide, 1M NaCl, 1% w/v SDS, and 10% w/v dextran sulphate, and washing at 65°C first in 2X SSC, 1% w/v SDS and subsequently in 0.2X SSC, 1% w/v SDS; and

(v) a nucleotide sequence having at least 80% identity to athe nucleotide sequence set forth in selected from SEQ ID NO:9 or SEQ ID NO: 11 after optimal alignment.

29. (Previously presented) The isolated nucleic acid molecule of Claim 28 operably linked to a promoter.

30. (Currently amended) The isolated nucleic acid molecule of Claim 29 wherein the promoter is the ~~GaMV35s~~ CaMV 35S promoter.

31. (Previously presented) A genetic construct comprising a nucleic acid molecule of any one of Claims 28 to 30.
32. (Currently amended) A genetically modified plant or progeny thereof comprising ~~[[a]]~~the nucleic acid molecule of Claim 28 which is heterologous to said plant and said progeny thereof, wherein expression of said nucleic acid molecule results in an altered flower color.
33. (Cancelled)
34. (Currently amended) The genetically modified plant of Claim ~~[[33]]~~32 wherein ~~the promoter is~~ said nucleic acid molecule is operably linked to the CaMV35s CaMV 35S promoter.
35. (Currently amended) A genetically modified plant according to ~~any one of Claims 32-34~~claim 32 or 34, wherein the plant is a rose or a progeny thereof wherein said rose progeny comprises said nucleic acid molecule.
36. (Withdrawn) An isolated F3'5'H polypeptide comprising an amino acid sequence selected from the list consisting of:
- (i) SEQ ID NO: 12;
 - (ii) sequences having at least 90% similarity to SEQ ID NO: 12;
 - (iii) SEQ ID NO: 10; and
 - (iv) sequences having at least 90% similarity to SEQ ID NO: 10.
37. (Withdrawn) A fusion protein comprising at least one polypeptide according to Claim 36.